

Converting Colors

XYZ(38.9011, 19.0351, 47.8681)

Have a look what the booklet for
XYZ(38.9011, 19.0351, 47.8681)
contains.

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Color

**XYZ(38.9871, 19.0748,
48.0813)**

Conversions

Conversions Part 1

Format	Color
Hex	DE00BA
RGB	222, 0, 186
RGB Percent	87%, 0%, 73%
CMY	0.1294, 0.9998, 0.2706
CMYK	0.00, 1.00, 0.16, 0.13
HSL	310°, 100%, 44%
HSV	310°, 100%, 87%
XYZ	38.9871, 19.0748, 48.0813
YIQ	87.5820, 72.6060, 104.9100

Conversions

Conversions Part 2

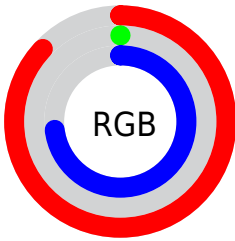
Format	Color
R_{YB}	222, 0, 186
Decimal	14549178
CIE _{Lab}	50.77, 83.68, -37.17
CIE _{LCh}	51, 91.568, 336.049
Yxy	19.0748, 0.3673, 0.1797
Android (android.graphics.Color)	4292739258 (0xFFDE00BA)
YUV	87.5820, 48.5201, 117.8846
Hunter-Lab	43.6747, 82.9109, -34.6998

Details

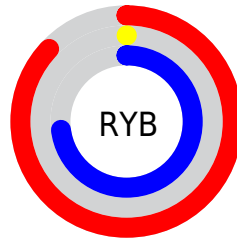
The XYZ color **38.9871, 19.0748, 48.0813** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **26.4410, 52.3707, 10.3875**, and the grayscale version is **9.0773, 9.5500, 10.4000**.

A 20% lighter version of the original color is **61.5099, 35.9155, 88.4845**, and **19.0651, 9.3473, 22.6292** is the 20% darker color. If you saturate the color by 10%, you get **38.9866, 19.0746, 48.0777**, and if you desaturate by 10%, it is **39.6666, 19.8131, 50.2205**.

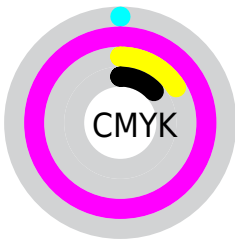
Distribution



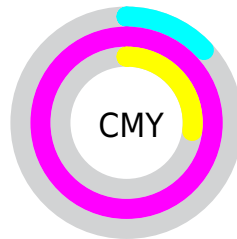
- Red (87%)
- Green (0%)
- Blue (73%)



- Red (87%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9871, 19.0748, 48.0813 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 38.9871, 19.0748, 48.0813 by changing the saturation by 10% instead.


 38.9871, 19.0748,
48.0813


 38.9871, 19.0748,
48.0813

333.0437,
246.8614, 395.6323


 26.9304, 11.7243,
33.5308

 72.9128, 41.8605,
88.6922


 17.6573, 6.5563,
22.2590


 95.5125, 58.0644,
115.5898


 10.8024, 3.1862,
13.8472


 122.3572, 77.9884,
147.4401

 6.0004, 1.2297,
7.8769

 153.8123,
102.0167, 184.6618

 2.8860, 0.0858,
3.9296

 190.2432,
130.5338, 227.6733

 1.0938, 0.0000,
1.5868

 232.0151,

 0.0199, 0.0000,

163.9240, 276.8932

0.2814

279.4935,
202.5717, 332.7400

■ 0.0000, 0.0000,
0.0000

■ 38.9871, 19.0748,
48.0813

■ 38.9871, 19.0748,
48.0813

■ 38.9866, 19.0746,
48.0777

■ 39.6666, 19.8131,
50.2205

■ 40.6898, 21.2234,
52.5221

■ 42.1657, 23.5238,
55.0229

■ 44.1562, 26.8373,
57.7437

■ 46.7130, 31.2677,
60.7024

■ 49.8817, 36.9059,
63.9142

■ 53.7031, 43.8334,
67.3933

■ 58.2146, 52.1248,
71.1522

■ 63.4504, 61.8487,
75.2028

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.3382, 19.0748, 92.1240



38.9871, 19.0748, 48.0813



41.3553, 19.0748, 15.9724

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.9871, 19.0748, 48.0813



16.3670, 19.0748, 0.0000



7.4298, 19.0748, 65.7112

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.9871, 19.0748, 48.0813



26.4410, 52.3707, 10.3875

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



5.7925, 19.0748, 26.4415



38.9871, 19.0748, 48.0813



9.7346, 19.0748, 0.9445

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.9871, 19.0748, 48.0813



26.1008, 19.0748, 0.2698



6.4685, 19.0748, 6.4480



11.9737, 19.0748, 106.9536

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.9871, 19.0748, 48.0813



38.5426, 19.0748, 5.7229



6.4685, 19.0748, 6.4480



6.6041, 19.0748, 51.0174

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.9878, 19.0758, 48.0816



73.3762, 59.7466, 92.1364



13.8234, 5.6038, 69.4607



15.2078, 11.8824, 19.2789



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.9878, 19.0758, 48.0816



53.3317, 26.0967, 65.6042



31.4902, 16.0768, 8.6000



14.1945, 13.8954, 16.7946



23.1920, 11.3438, 28.7408



1.6334, 0.7966, 2.1283

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



38.9878, 19.0758, 48.0816



53.3317, 26.0967, 65.6042



31.1801, 54.2664, 35.3431



14.1945, 13.8954, 16.7946



23.1920, 11.3438, 28.7408



1.6334, 0.7966, 2.1283

Previews

White Background



This preview shows how the XYZ color 38.9871, 19.0748, 48.0813 looks on a white background.

Color Contrast Check

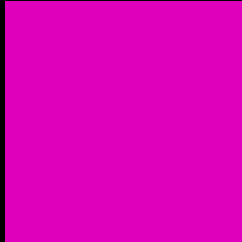
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 38.9871, 19.0748, 48.0813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

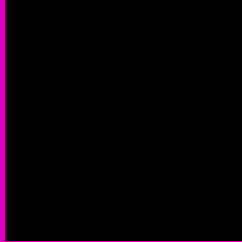
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9871, 19.0748, 48.0813

Background



This preview shows how black text looks on a background with the XYZ color 38.9871, 19.0748, 48.0813.



This preview shows how white text looks on a background with the XYZ color 38.9871, 19.0748,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.9871, 19.0748, 48.0813

Protanopia

23.8910, 19.9219, 93.8529

Deuteranopia

20.0709, 19.6143, 42.7725



Tritanopia

31.1627, 19.4470, 9.1324

Trichromacy



Original Color

38.9871, 19.0748, 48.0813



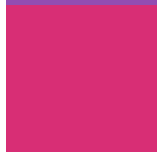
Protanomaly

19.7745, 12.3275, 74.0103



Deuteranomaly

22.5438, 14.6331, 43.7558



Tritanomaly

32.5068, 17.8373, 18.5593

Monochromacy



Original Color

38.9871, 19.0748, 48.0813



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.3688, 9.6019, 20.1121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9871, 19.0748, 48.0813 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(222, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 186)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(222, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 38.9871, 19.0748, 48.0813 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(222, 0, 186) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(222, 0, 186) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(222, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9871, 19.0748, 48.0813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 186) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(222, 0,  
186) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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